

Appl. No. 09/522,325
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Reply to Office action of 03/18/05

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (previously presented) An apparatus comprising:
a decoder to decode an activation message, the activation message being sent from an activator via a communication medium in response to a telephony call, the decoder generating an activation command; and
a transmitting unit coupled to the decoder to transmit a signal modulated from an information message to a receiver using a communication protocol, in response to the activation command.
2. (original) The apparatus of claim 1 wherein the receiver is coupled to a server, the server embedding the information message in network data to be sent over a network.
3. (original) The apparatus of claim 1 wherein the communication protocol uses one of a multi-frequency tone, an ultra-red signal, a microwave signal, and an electromagnetic signal.
4. (original) The apparatus of claim 1 wherein the transmitting unit comprises a modulator to modulate the information message according to a modulating scheme.
5. (original) The apparatus of claim 4 wherein the modulating scheme is compatible with a sound signal.
6. (original) The apparatus of claim 5 wherein the modulating scheme uses a pseudo random binary sound (PRBS).
7. (previously presented) The apparatus of claim 1 wherein the information message includes a location identifier corresponding to location of the transmitting unit.

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8. (original) The apparatus of claim 7 wherein the location identifier includes global positioning system (GPS) information.

9. (previously presented) The apparatus of claim 7 wherein the telephony call is made by a person located in proximity of the location of the transmitting unit.

10. (original) The apparatus of claim 7 wherein the telephony call is an emergency call using an emergency call number.

11. (previously presented) An apparatus comprising:
a decoder to decode an activation message, the activation message being sent from an activator in response to a telephony call, the decoder generating an activation command; and
a receiving unit coupled to the decoder to receive a signal containing an information message responsive to the activation command, the information message being sent from a transmitter according to a communication protocol via a communication medium.

12. (original) The apparatus of claim 11 wherein the receiving unit is coupled to a server, the server embedding the information message in network data to be sent over a network.

13. (original) The apparatus of claim 12 wherein the communication protocol uses one of a multi-frequency tone, an ultra-red signal, a microwave signal, and an electromagnetic signal.

14. (previously presented) The apparatus of claim 13 wherein the receiving unit comprises a demodulator to demodulate the signal according to a demodulating scheme.

15. (original) The apparatus of claim 14 wherein the demodulating scheme is compatible with a sound signal.

16. (original) The apparatus of claim 15 wherein the demodulating scheme uses a pseudo random binary sound (PRBS).

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17. (original) The apparatus of claim 11 wherein the information message includes a location identifier corresponding to location of the transmitting unit.

18. (original) The apparatus of claim 17 wherein the location identifier includes global positioning system (GPS) information.

19. (original) The apparatus of claim 18 wherein the telephony call is made by a person located in proximity of the transmitter.

20. (original) The apparatus of claim 19 wherein the telephony call is an emergency call using an emergency call number.

21. (previously presented) A network comprising a plurality of commonly coupled location transmitters, each transmitter comprising a transmission unit to broadcast a signal modulated from an information message containing respective location information in response to a telephony call.

22. (original) The network of Claim 21, wherein the transmission unit of a transmitter broadcasts the respective location information on a substantially periodic basis.

23. (original) The network of Claim 21, wherein the transmission unit of a transmitter broadcasts the respective location information on a substantially continuous basis.

24. (previously presented) The network of Claim 21, wherein the transmission unit of a transmitter broadcasts the respective location information responsive to an activation request upon receipt of the telephony call.

25. (original) The network of Claim 24, wherein at least one of the plurality of transmitters comprises

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a reception unit coupled to the transmission unit of the at least one of the plurality of transmitters, the reception unit to receive the activation request and to notify the transmission unit of such receipt.

26. (original) The network of Claim 21, wherein each transmitter further comprises a reception unit coupled to the transmission unit to receive an activation request and to notify the transmission unit of such receipt; and wherein the reception units of a set of the transmitters to receive the activation request at substantially the same time.

27. (original) The network of Claim 26, wherein the set of the transmitters comprises all of the plurality of transmitters in the network.

28. (original) The network of Claim 26, wherein the set of the transmitters comprises less than all of the plurality of transmitters in the network.

29. (original) The network of Claim 21, wherein the transmitters are geographically dispersed to form a distributed location broadcast system.

30. (original) The network of Claim 21, wherein the transmission unit of a transmitter broadcasts respective broadcast information in a format consistent with at least one of an identification tag, an absolute location, and a relative location.

31. (original) The network of Claim 21, further comprising:
a network component capable of coupling to a first transmitter of the plurality of transmitters to receive and process the respective location information broadcast by the first transmitter.

32. (original) The network of Claim 24, further comprising:
a server coupled to the plurality of transmitters to selectively issue the activation request to the plurality of transmitters.

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33. (original) The network of Claim 24, further comprising:
a network component capable of sensing at least one of the plurality of transmitters, the network component comprising:

a sensor capable of at least intermittent coupling to a first transmitter of the plurality of transmitters to receive the respective location broadcast by the first transmitter, a location determination unit coupled to the sensor to process the received respective location information, and a network interface to externally issue the respective location information in accordance with a packet data format.

34. (original) The network of Claim 33, further comprising:
a server coupled to the plurality of transmitters to selectively issue the activation request to the plurality of transmitters responsive to a location event; and

a packet network interposing the network interface of the network component and the server, the packet network to bear the packetized, respective location information to said server.

35. (original) The network of Claim 34, wherein the location event is generated by the network component.

36. (original) The network of Claim 35, wherein the location event comprises an emergency call.

37. (original) The network of Claim 34, further comprising an e-commerce transaction processor coupled to the packet network, wherein the location event is generated by the e-commerce transaction processor.

38. (original) A method of locating a networkable component, comprising:
receiving a location information request, the location information request requiring a location information;
generating at least one data packet comprising the location information; and
transmitting the at least one data packet in response to the location information request.

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39. (original) The method of claim 38, wherein the data packet complies with Internet Protocol.

40. (original) The method of claim 38, wherein the receiving of the location information is performed by a receiver.

41. (original) The method of claim 38, further comprising:
storing the location information in a store for storing location information.

42. (original) The method of claim 38, further comprising:
receiving the location information from a location information receiving device.

43. (original) The method of claim 42, wherein the location information receiving device is a Global Positioning System receiver.

44. (original) The method of claim 38, wherein the location information is an absolute reference to a location.

45. (original) The method of claim 44, wherein the absolute reference comprises geographic coordinates.

46. (original) The method of claim 44, wherein the absolute reference contains a location address.

47. (original) The method of claim 44, wherein the absolute reference comprises Global Positioning System data.

48. (original) The method of claim 38, wherein the location information comprises a relative reference to a location.

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49. (original) The method of claim 38, wherein the location information comprises a predetermined code associated with a location.

50. (original) The method of claim 38, wherein the location information request is generated in response to an emergency telephony call.

51. (original) The method of claim 38, wherein the location information request originates from a networkable component.

52. (original) The method of claim 51, wherein the networkable component is an emergency server.

53. (original) The method of claim 51, wherein the networkable component comprises an association with a commercial transaction.

54. (previously presented) A networkable component comprising:
a receiver for receiving location information in response to a telephony call;
a processor for processing the location information; and
a network interface for transmitting the location information over a network.

55. (original) The networkable component of claim 54 wherein the location information is one of a pre-determined location information and a global positioning system (GPS) information.

56. (original) The networkable component of claim 55 wherein the telephony call is one of an emergency call, a commercial transaction call, and an intrusive call.

57. (previously presented) A networkable component comprising:
means for receiving location information in response to a telephony call;
means for processing the location information; and
interface means for transmitting the location information.

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58. (original) The networkable component of claim 57 wherein the location information is one of a pre-determined location information and a global positioning system (GPS) information.

59. (original) The networkable component of claim 58 wherein the telephony call is one of an emergency call, a commercial transaction call, and an intrusive call.

60. (previously presented) A networkable component comprising:
a location sensor to provide location information in response to a telephony call;
a determination unit coupled to the sensor, the determination unit to determine the location information; and
a network interface coupled to the determination unit to selectively transmit the location information over a network.

61. (previously presented) A method comprising:
decoding an activation message to generate an activation command, the activation message being sent from an activator via a communication medium in response to a telephony call; and
transmitting a signal modulated from an information message responsive to the activation command, by a transmitting unit, to a receiver using a communication protocol.

62. (original) The method of claim 61 further comprising embedding the information message in network data to be sent over a network.

63. (original) The method of claim 61 wherein the communication protocol uses one of a multi-frequency tone, an ultra-red signal, a microwave signal, and an electromagnetic signal.

64. (original) The method of claim 61 wherein transmitting comprises modulating the information message according to a modulating scheme.

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65. (original) The method of claim 64 wherein the modulating scheme is compatible with a sound signal.

66. (original) The method of claim 64 wherein the modulating scheme uses a pseudo random binary sound (PRBS).

67. (original) The method of claim 61 wherein the information message includes a location identifier corresponding to location of the transmitting unit.

68. (original) The method of claim 67 wherein the location identifier includes global positioning system (GPS) information.

69. (original) The method of claim 61 wherein the telephony call is made by a person located in proximity of the location of the transmitter.

70. (original) The method of claim 69 wherein the telephony call is an emergency call using an emergency call number.

71. (previously presented) A method comprising:
decoding an activation message to generate an activation command, the activation message being sent from an activator in response to a telephone call; and
receiving a signal containing an information message responsive to the activation command, the signal being sent from a transmitter according to a communication protocol.

72. (original) The method of claim 71 further comprises embedding the information message in network data to be sent over a network.

73. (original) The method of claim 72 wherein the communication protocol uses one of a multi-frequency tone, an ultra-red signal, a microwave signal, and an electromagnetic signal.

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74. (original) The method of claim 73 wherein receiving comprises demodulating the information message according to a demodulating scheme.

75. (original) The method of claim 74 wherein the demodulating scheme is compatible with a sound signal.

76. (original) The method of claim 75 wherein the demodulating scheme uses a pseudo random binary sound (PRBS).

77. (original) The method of claim 71 wherein the information message includes a location identifier corresponding to location of the transmitter.

78. (original) The method of claim 77 wherein the location identifier includes global positioning system (GPS) information.

79. (original) The method of claim 78 wherein the telephony call is made by a person located in proximity of the transmitter.

80. (original) The method of claim 76 wherein the telephony call is an emergency call using an emergency call number.

81. (previously presented) A computer program product comprising:
a machine useable medium having computer program code embedded therein, the computer program product having:

computer readable program code for decoding an activation message to generate an activation command, the activation message being sent from an activator via a communication medium in response to a telephony call; and

computer readable program code for transmitting a signal modulated from an information message, responsive to the activation command by a transmitting unit, to a receiver using a communication protocol.

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82. (original) The computer program product of claim 81 further comprises computer readable program code for embedding the information message in network data to be sent over a network.

83. (original) The computer program product of claim 82 wherein the communication protocol uses one of a multi-frequency tone, an ultra-red signal, a microwave signal, and an electromagnetic signal.

84. (original) The computer program product of claim 83 wherein the computer readable program code for transmitting comprises computer readable program code for modulating the information message according to a modulating scheme.

85. (original) The computer program product of claim 84 wherein the modulating scheme is compatible with a sound signal.

86. (original) The computer program product of claim 85 wherein the modulating scheme uses a pseudo random binary sound (PRBS).

87. (original) The computer program product of claim 81 wherein the information message includes a location identifier corresponding to location of the transmitting unit.

88. (original) The computer program product of claim 82 wherein the location identifier includes global positioning system (GPS) information.

89. (original) The computer program product of claim 88 wherein the telephony call is made by a person located in proximity of the location of one of the decoder and the transmitter.

90. (original) The computer program product of claim 89 wherein the telephony call is an emergency call using an emergency call number.

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91. (previously presented) A computer program product comprising:
a machine useable medium having computer program code embedded therein, the
computer program product having:

computer readable program code for decoding an activation message to generate an
activation command, the activation message being sent from an activator in response to a
telephony call; and

computer readable program code for receiving a signal containing an information
message, responsive to the activation command, the information message being sent from a
transmitter according to a communication protocol.

92. (original) The computer program product of claim 91 further comprises computer
readable program code for embedding the information message in network data to be sent over a
network.

93. (original) The computer program product of claim 92 wherein the
communication protocol uses one of a multi-frequency tone, an ultra-red signal, a microwave
signal, and an electromagnetic signal.

94. (original) The computer program product of claim 93 wherein the computer
readable program code for receiving comprises demodulating the information message according
to a demodulating scheme.

95. (original) The computer program product of claim 94 wherein the receiver is a
tone receiver compatible with the demodulating scheme.

96. (original) The computer program product of claim 95 wherein the demodulating
scheme uses a pseudo random binary sound (PRBS).

97. (original) The computer program product of claim 91 wherein the information
message includes a location identifier corresponding to location of the transmitter.

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98. (original) The computer program product of claim 97 wherein the location identifier includes global positioning system (GPS) information.

99. (original) The computer program product of claim 98 wherein the telephony call is made by a person located in proximity of the location of the transmitting unit.

100. (original) The computer program product of claim 99 wherein the telephony call is an emergency call using an emergency call number.

101. (previously presented) A system comprising:
an activator to transmit an activation message in response to a telephony call; and
a transmitter to communicate with the activator via a communication medium, the transmitter comprising:
a decoder to decode the activation message, the decoder generating an activation command, and
a transmitting unit coupled to the decoder to transmit a signal modulated from an information message, responsive to the activation command, to a receiver using a communication protocol.

102. (original) The system of claim 101 wherein the receiver is coupled to a server, the server embedding the information message in network data to be sent over a network.

103. (original) The system of claim 102 wherein the communication protocol uses one of a multi-frequency tone, an ultra-red signal, a microwave signal, and an electromagnetic signal.

104. (original) The system of claim 103 wherein the transmitting unit comprises a modulator to modulate the information message according to a modulating scheme.

105. (original) The system of claim 104 wherein the modulating scheme is compatible with a sound signal.

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106. (original) The system of claim 105 wherein the modulating scheme uses a pseudo random binary sound (PRBS).

107. (original) The system of claim 101 wherein the information message includes a location identifier corresponding to location of the transmitter.

108. (original) The system of claim 107 wherein the location identifier includes global positioning system (GPS) information.

109. (original) The system of claim 108 wherein the telephony call is made by a person located in proximity of the location of one of the decoder and the transmitter.

110. (original) The system of claim 109 wherein the telephony call is an emergency call using an emergency call number.

111. (previously presented) A system comprising:
an activator to transmit an activation message in response to a telephony call; and
a receiver coupled to the server, the receiver comprising:
a decoder to decode the activation message, the decoder generating an activation command, and
a receiving unit coupled to the decoder to receive a signal containing an information message responsive to the activation command, the information message being sent from a transmitter according to a communication protocol via a communication medium.

112. (original) The system of claim 111 further comprises a server coupled to the receiver to embed the information message in network data to be sent over a network.

113. (original) The system of claim 112 wherein the communication protocol uses one of a multi-frequency tone, an ultra-red signal, a microwave signal, and an electromagnetic signal.

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114. (original) The system of claim 113 wherein the receiver comprises a demodulator to demodulate the information message according to a demodulating scheme.

115. (original) The system of claim 114 wherein the demodulating scheme is compatible with a sound signal.

116. (original) The system of claim 115 wherein the demodulating scheme uses a pseudo random binary sound (PRBS).

117. (original) The system of claim 111 wherein the information message includes a location identifier corresponding to location of the transmitter.

118. (original) The system of claim 117 wherein the location identifier includes global positioning system (GPS) information.

119. (original) The system of claim 118 wherein the telephony call is made by a person located in proximity of the location of the transmitter.

120. (original) The system of claim 119 wherein the telephony call is an emergency call using an emergency call number.